

# Method and apparatus for separating liquid mixtures using ultrafiltration

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PI	DE 2818127	A1	19781116	DE 1978-2818127	19780425
	DE 2818127	C2	19820513		
	FR 2389400	A1	19781201	FR 1977-13704	19770505
	FR 2389400	B1	19820108		
	CA 1109401	A1	19810922	CA 1978-301891	19780425
	SE 7804864	A	19781106	SE 1978-4864	19780427
	JP 53137878	A2	19781201	JP 1978-50257	19780428
	US 4222871	A	19800916	US 1978-900972	19780428
	ES 469390	A1	19790816	ES 1978-469390	19780503
	GB 1573484	A	19800828	GB 1978-18053	19780505
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AB H2O-oil emulsions, esp. cutting fluids, are sepd. by being passed through a gravity flotation separator, which removes most of the oil. The remaining mixt. is pressurized with air to .apprx.5 bar, expanded to .apprx.2 bar, and pumped through an ultrafilter which seps. pure H2O as filtrate. The expanding air keeps the membranes of the ultrafilter clean. A part of the H2O-oil mixt. from the ultrafilter is recirculated to the gravity separator to assist in flotation sepn.